



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/759,548
Source: IFW
Date Processed by STIC: 2/2/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

RAW SEQUENCE LISTING

DATE: 02/02/2004

PATENT APPLICATION: US/10/759,548

TIME: 08:41:45

Input Set.: A:\J759548.raw.txt

Output Set: N:\CRF4\01292004\J759548.raw

1 <110> APPLICANT: Institut National de la Recherche Agronomique (I.N
 2 Centre National de la Recherche Scientifique (CNRS
 3 Ecole Normale Sup,rieure de Lyon (ENSL)
 4 Universit, Claude Bernard de Lyon (UCBL).
 5 Biogemma
 6 <120> TITLE OF INVENTION: Nucleic acids encoding an ISUM2A polypeptide and use
 7 of said nucleic acids
 8 to obtain transformed plants producing grains altered in germ development.
 9 <130> FILE REFERENCE: mutant emb
 10 <140> CURRENT APPLICATION NUMBER: US/10/759,548
 C--> 11 <141> CURRENT FILING DATE: 2004-01-16
 12 <160> NUMBER OF SEQ ID NOS: 24
 13 <170> SOFTWARE: Custom

ERRORED SEQUENCES

Does Not Comply
Corrected Dik'ette Needer

498 <210> SEQ ID NO: 24
 499 <211> LENGTH: 25
 500 <212> TYPE: DNA
 501 <213> ORGANISM: Artificial sequence
 502 <220> FEATURE:
 503 <223> OTHER INFORMATION: Artificial sequence description: primer
 504 <308> DATABASE ACCESSION NO: AX696081
 505 <309> DATABASE ENTRY DATE: 2003-03-31
 506 <310> PATENT DOC NO: WO 03/008585
 507 <311> PATENT FILING DATE: 2002-07-17
 508 <312> PUBLICATION DATE: 2003-01-30
 509 <400> SEQUENCE: 24
 510 cttcgtccat aatggcaatt atctc
 E--> 511

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delete

see P.2 for more errors.

Insert <300>
 wherever <301>,
 <302>,
 or any

<3-->
 is shown

25
 <300> is
 a header
 only. It
 never has
 a response.

Please insert <300>
 globally. The above
 sequence is a sample
 of global error.

<210> 9
 <211> 17
 <212> DNA
 <213> Artificial sequence
 <220>
 <223> Artificial sequence description:primer
 <308> AX696066
 <309> 2003-03-31
 <310> WO 03/008585
 <311> 2002-07-17
 <312> 2003-01-30
 <400> 9

gatgagtcct gagtaan

insert

><300>

needs explanation
 (see p.3)

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VARIABLE LOCATION SUMMARY

DATE: 02/02/2004

PATENT APPLICATION: US/10/759,548

TIME: 08:41:46

Input Set.: A:\J759548.raw.txt

Output Set: N:\CRF4\01292004\J759548.raw

error explanation

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:9; N Pos. 17

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/759,548

DATE: 02/02/2004
TIME: 08:41:46

Input Set : A:\J759548.raw.txt
Output Set: N:\CRF4\01292004\J759548.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 8

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/759,548

DATE: 02/02/2004

TIME: 08:41:46

Input Set : A:\J759548.raw.txt

Output Set: N:\CRF4\01292004\J759548.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:300 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:9
L:300 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:9
L:300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:511 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:29 SEQ:24
L:511 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2
L:511 M:252 E: No. of Seq. differs, <211> LENGTH:Input:25 Found:29 SEQ:24